

INTERNATIONAL SEARCH REPORT

Application No
PCT/GB 03/05372

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04B10/18		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04B G02B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB, COMPENDEX		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/057805 A (TUBEL PAULO S) 25 July 2002 (2002-07-25) paragraph '0013! paragraph '0062!, sentence 2 - paragraph '0063!, sentence 1 paragraph '0077!, sentence 1 claims 1-3,5,8,9 ---	1-12, 14-35
Y	US 5 875 045 A (SUGIYAMA AKIRA ET AL) 23 February 1999 (1999-02-23) column 1, line 39-46 column 2, line 1-11 column 11, line 66 -column 12, line 3 --- -/--	1-12, 14-35
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search 13 April 2004		Date of mailing of the international search report 21/04/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Petitit, N

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 5 383 207 A (CULVERHOUSE DAVID ET AL) 17 January 1995 (1995-01-17) column 1, line 1-25 column 1, line 63 -column 2, line 2 column 2, line 8-14 ----	1-12, 14-35
A	HUI R ET AL: "Noise squeezing due to Kerr effect nonlinearities in optical fibres with negative dispersion" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 32, no. 21, 10 October 1996 (1996-10-10), pages 2001-2003, XP006005839 ISSN: 0013-5194 paragraph '0005! paragraph '0006!, sentence 11 paragraph '0009!, sentence 1 ----	1-12, 14-35
A	HUI R ET AL: "MODULATION INSTABILITY AND ITS IMPACT IN MULTISPAN OPTICAL AMPLIFIED IMDD SYSTEMS: THEORY AND EXPERIMENTS" JOURNAL OF LIGHTWAVE TECHNOLOGY, IEEE. NEW YORK, US, vol. 15, no. 7, 1 July 1997 (1997-07-01), pages 1071-1081, XP000693462 ISSN: 0733-8724 page 1073, left-hand column, paragraph 5 page 1074, right-hand column, paragraph 5 page 1081, right-hand column, paragraph 1 -----	1-12, 14-35

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